

FIG. 1

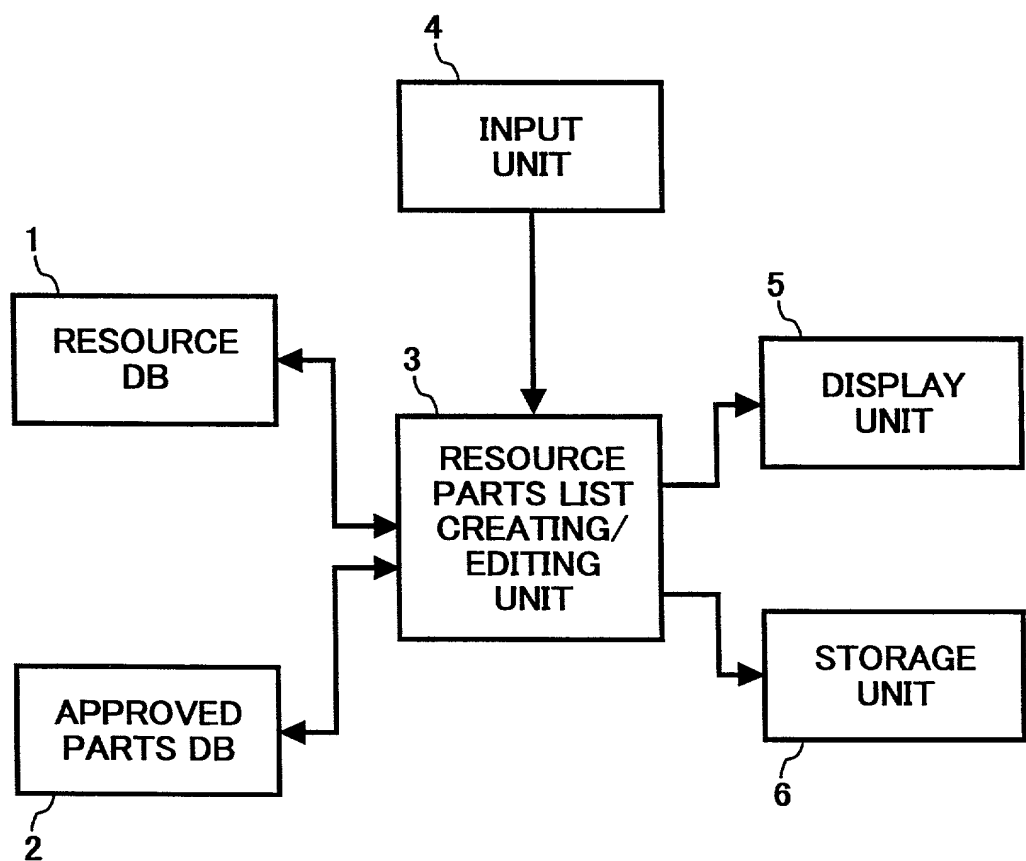


FIG. 2

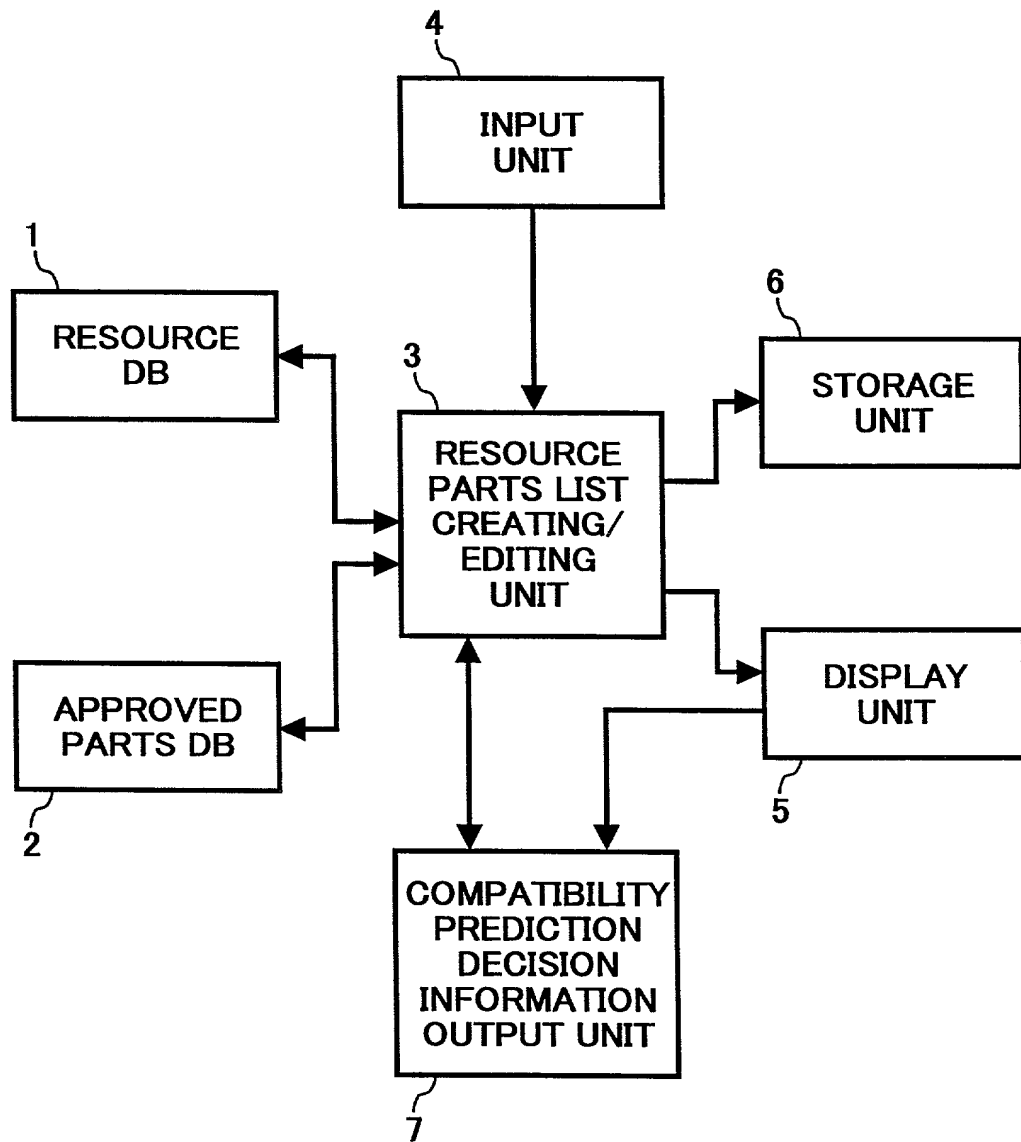


FIG. 3A

	FUNCTION LEVEL 1	FUNCTION LEVEL 2	FUNCTION LEVEL 3	
1	READ	IMAGE SENSOR		SENSING
2	READ	ANALOGUE SIGNAL PROCESSING	DIRTY BACKGROUND REMOVAL	ELECTRICAL

FIG. 3B

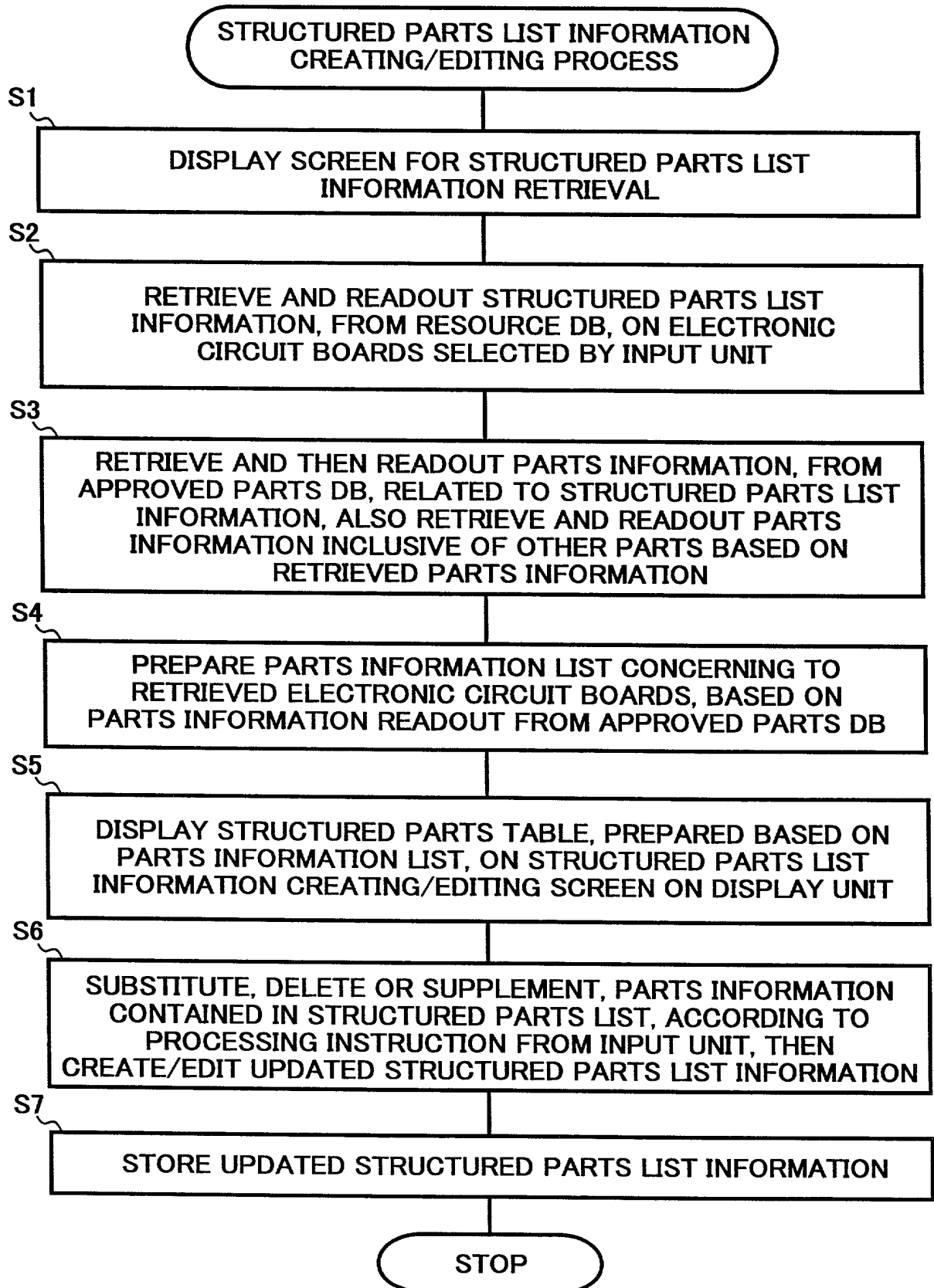
QUANTITY

	FUNCTIONAL DEVICE	MAKER	MAKER'S MODEL NUMBER	MAKER'S PART NUMBER	UNIT PRICE	
1	CCD LINEAR IMAGE SENSOR	A CO.	XXXXXX	XXXXXX	XXXX	1
2	CUSTOM IC	B CO.	XXXXXX	XXXXXX	XXXX	1

FIG. 3C

	PCB	USER'S PART NUMBER	UNIT
1	PRINTED BOARD: XX TYPE	XXXXXX	SCANNER
2	PRINTED BOARD: XX TYPE	XXXXXX	SCANNER

FIG. 4



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FIG. 6

PART CLASS	PCB
PCB NAME	...
PROD LOCATION	...
PCB PART NUMBER	...
PART NAME	...
MODEL STATUS	...

CHARACTERISTICS		
NAME	VALUE	UNIT

CURRENT PRICE		PRICE WHEN MASS-PRODUCED	
TARGET PRICE (DESIRED)	...	NET PRICE	...
TARGET PRICE (MANDATORY)	...	CURRENT PRICE	...
		NET COST	...
		ESTIMATED PRICE WHEN MASS-PRODUCED	...

STATUS	PART NUMBER	PART CLASS	MAKER'S MODEL NO.	MAKER	ALTER-ATION	QUAN-TITY	CURRENT PRICE	..
RECOMMENDED	01234	CONNECTOR TO/FROM BOARD	151525-3	A ELECTRONICS	...	...	...	..
APPROVED	50011	CONNECTOR SIGNAL SYSTEM	153123-7	A ELECTRONICS	...	...	...	..
APPROVED	51907	CONNECTOR SIGNAL SYSTEM	153123-8	A ELECTRONICS	...	...	...	..
APPROVED	08812	TRANSISTOR	AB114	B ELECTRIC	...	...	...	..
APPROVED	08643	TRANSISTOR	AB333	B ELECTRIC	...	...	...	..
APPROVED	04438	RESISTOR ARRAY	3-GEG-1	C INDUSTRY	...	...	...	..
...

FIG. 7

PART CLASS	PCB
PCB NAME	...
PROD LOCATION	...
PCB PART NUMBER	...
PART NAME	...
MODEL STATUS	...

CHARACTERISTICS		
NAME	VALUE	UNIT

CURRENT PRICE		PRICE WHEN MASS-PRODUCED	
TARGET PRICE (DESIRED)	...	NET PRICE	...
TARGET PRICE (MANDATORY)	...	ESTIMATED PRICE WHEN MASS-PRODUCED	...

STATUS	PART NUMBER	PART CLASS	MAKER'S MODEL NO.	MAKER	ALTER-ATION	QUAN-TITY	CURRENT PRICE
RECOMMENDED	01234	CONNECTOR TO/FROM BOARD	151525-3	A ELECTRONICS	...	...	...
APPROVED	50011	CONNECTOR SIGNAL SYSTEM	153123-7	A ELECTRONICS	...	...	...
APPROVED	51907	CONNECTOR SIGNAL SYSTEM	153123-8	A ELECTRONICS	...	...	...
RECOMMENDED	70458	TRANSISTOR	M11LL33	M FACTORY	...	...	...
APPROVED	08643	TRANSISTOR	AB333	B ELECTRIC	...	...	...
APPROVED	04438	RESISTOR ARRAY	3-GEG-1	C INDUSTRY	...	...	...
RECOMMENDED	202201	MEMORY DRAM	M72-125	N PART INDUSTRY	...	...	...
...

FIG. 8

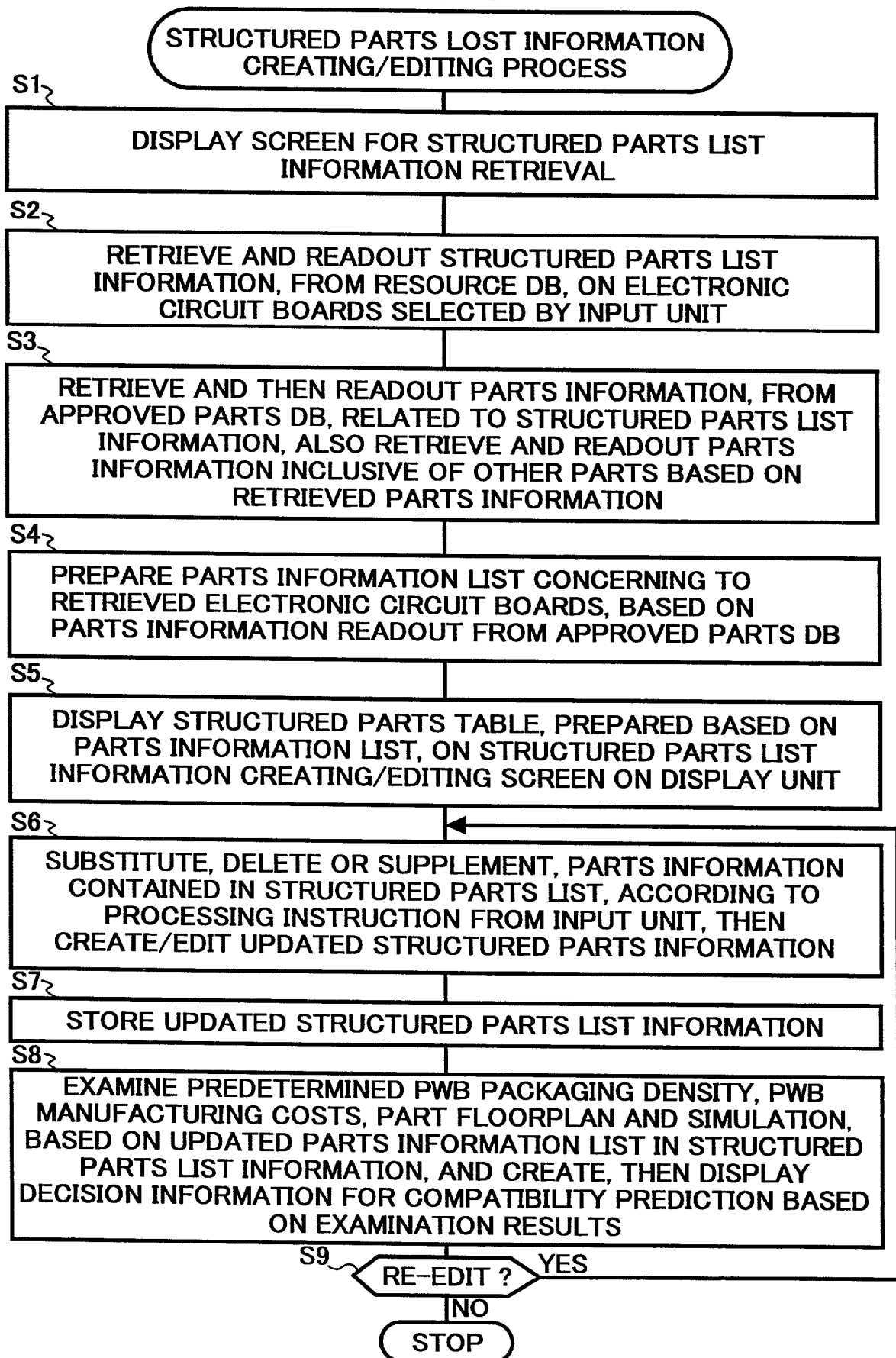


FIG. 9A

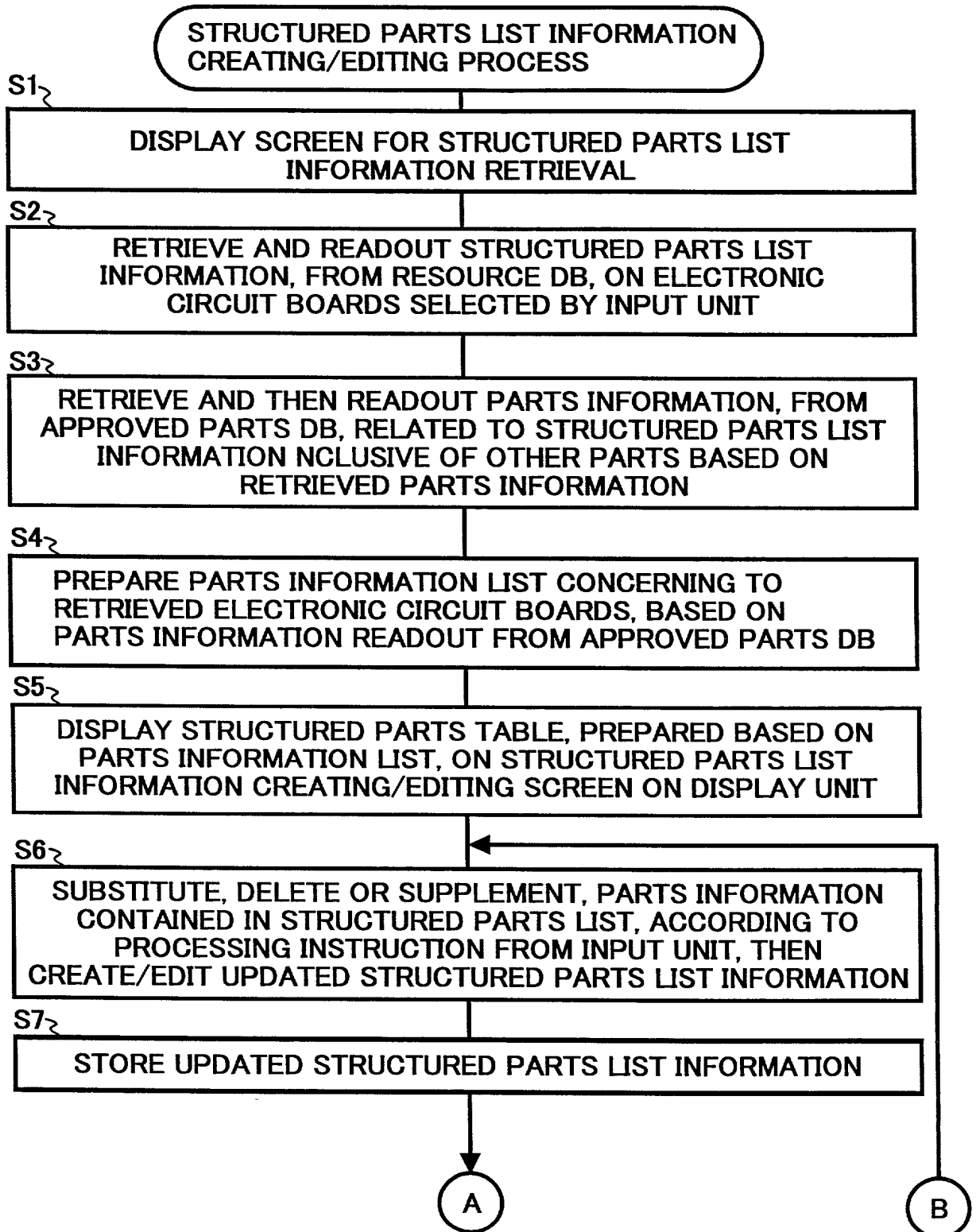


FIG. 9B

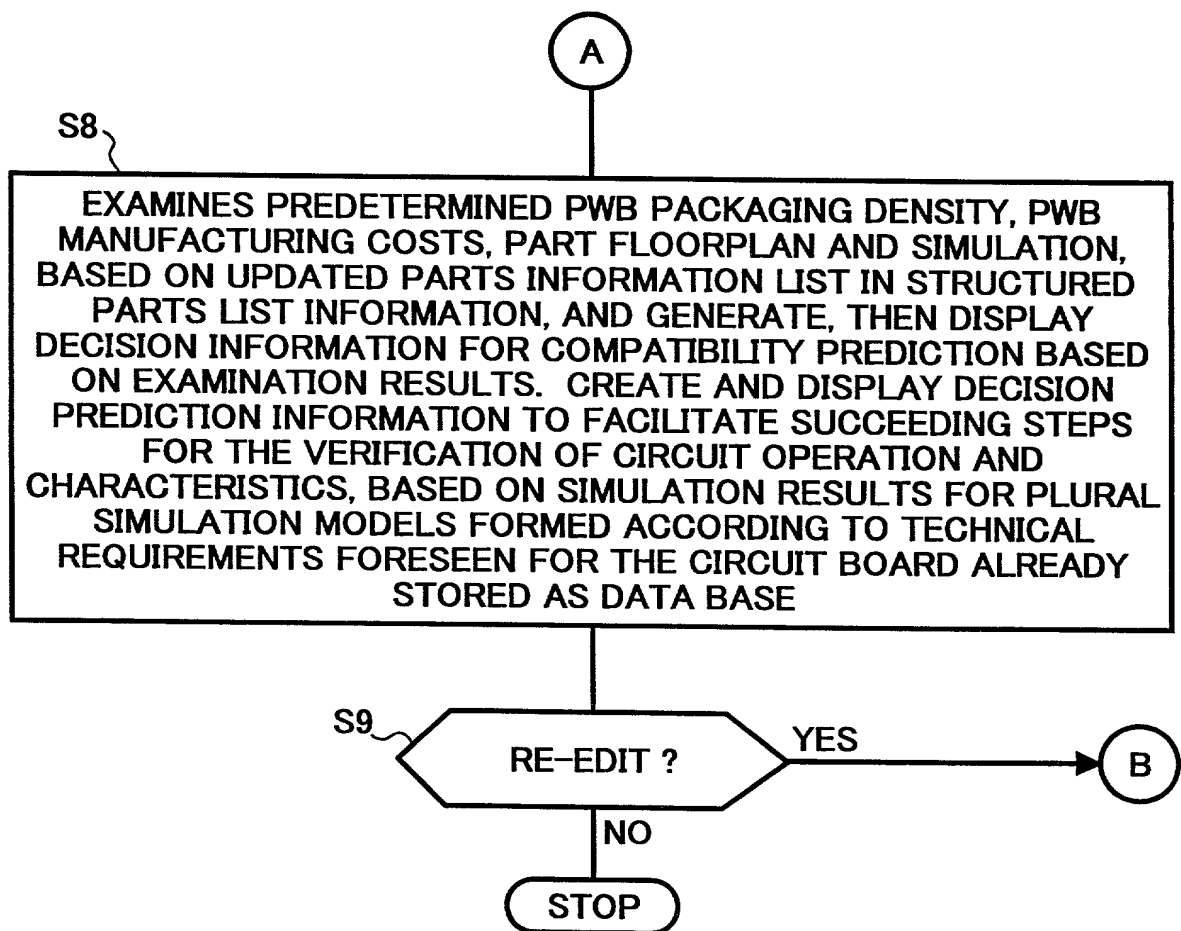


FIG. 10

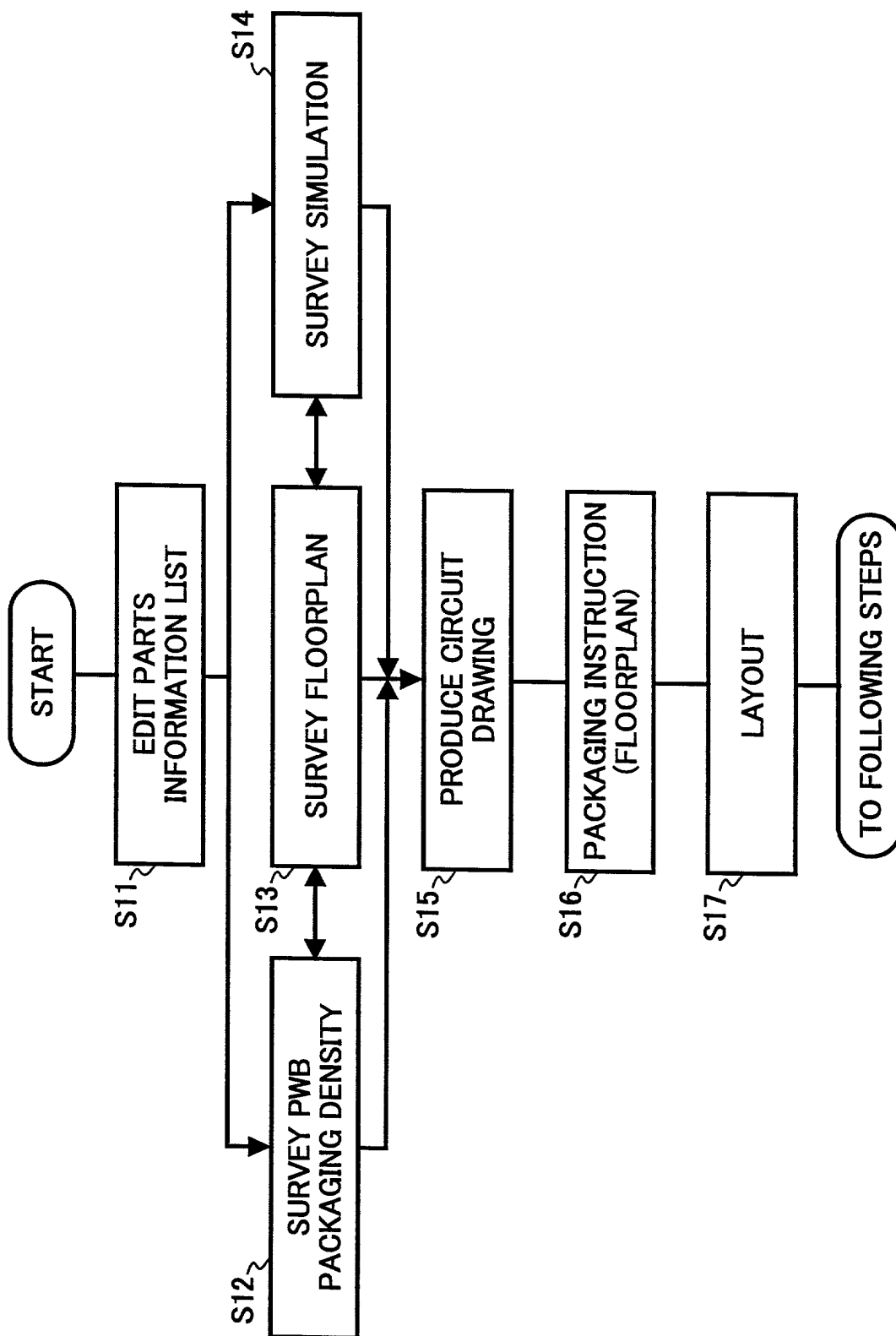


FIG. 11

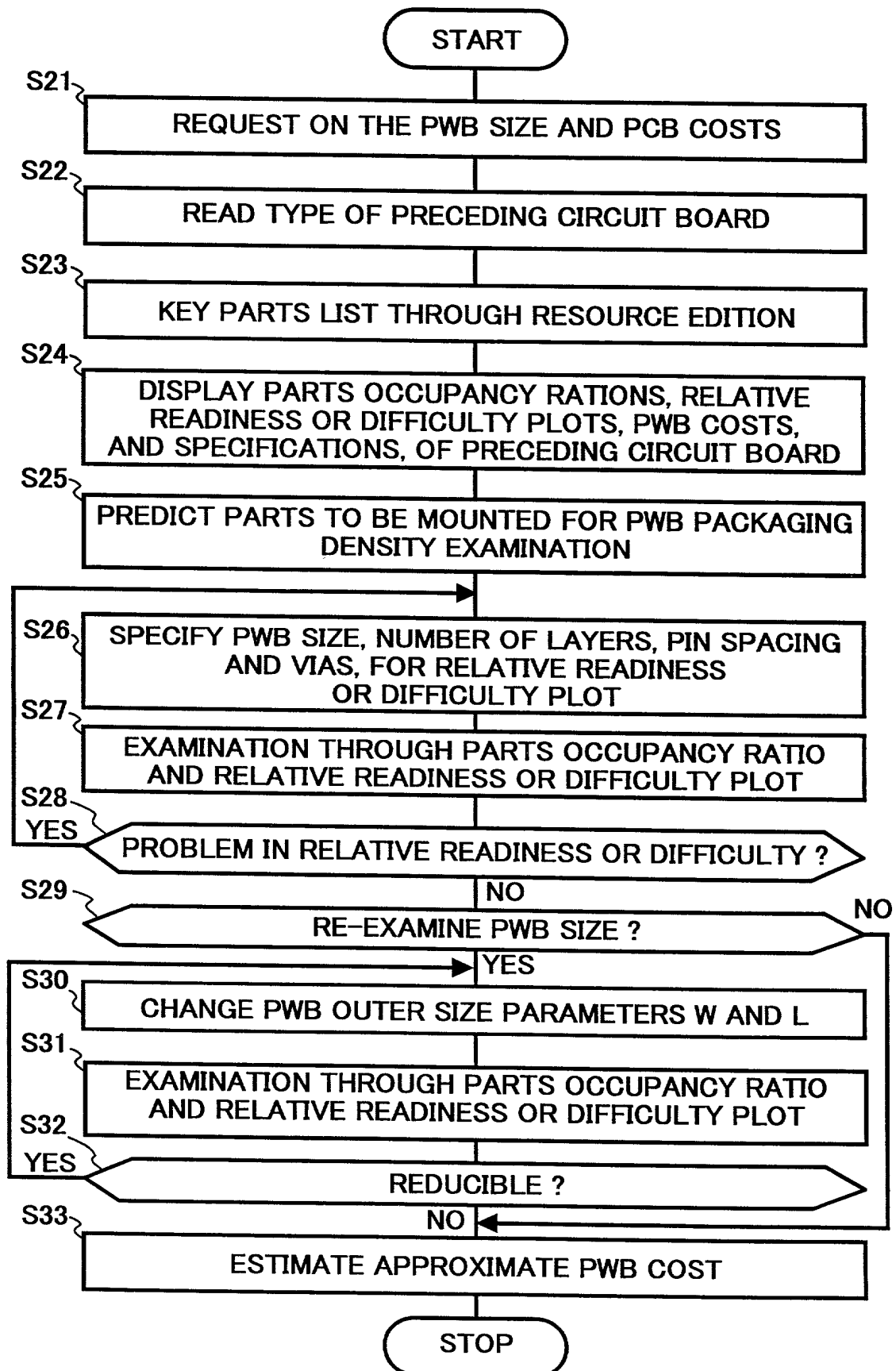


FIG. 12

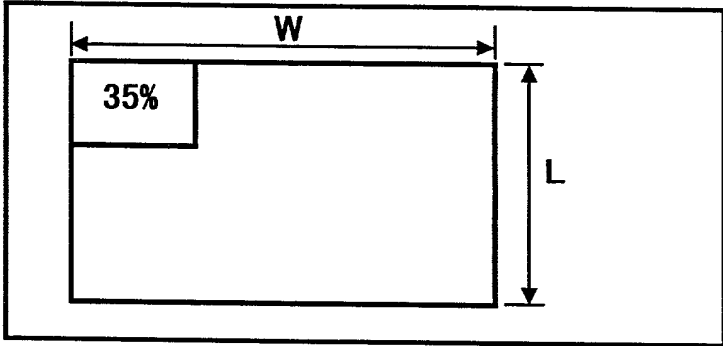
PACKAGING DENSITY EXAMINATION	
21	PWB SIZE 
22	SWITCH PARTS OCCUPANCY RATIO <input type="radio"/> SINGLE-SIDED MOUNTING <input checked="" type="radio"/> DOUBLE-SIDED MOUNTING
23	PWB PARAMETOR W <input type="text" value="121"/> mm L <input type="text" value="90"/> mm PWB AREA <input type="text" value="108.9"/> cm ² PIN SPACING <input type="text" value="3"/> <input type="text" value="mm"/>
24	PREDICTION OBTAINED FROM KEY PARTS PIN NUMBER MULTIPLIED BY COEFFICIENTS NUMBER OF PINS <input type="text" value="1981"/> PARTS OCCUPANCY AREA <input type="text" value="77.03"/> cm ² PIN DENSITY <input type="text" value="18.19"/> PIN/cm ²
25	KEY PARTS NUMBER OF PARTS <input type="text" value="49"/> NUMBER OF PINS <input type="text" value="1087"/> PARTS OCCUPANCY AREA <input type="text" value="60.65"/> cm ²
	APPROXIMATE PWB COSTS
	COMMENTS ON PREDICTION COEFFICIENTS
	RESOURCE DISPLAY

FIG.13A

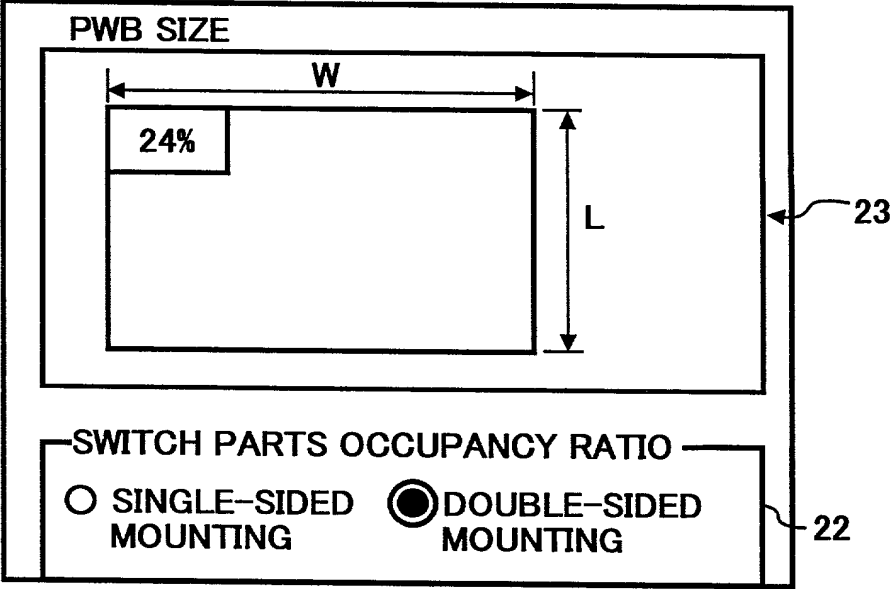


FIG.13B

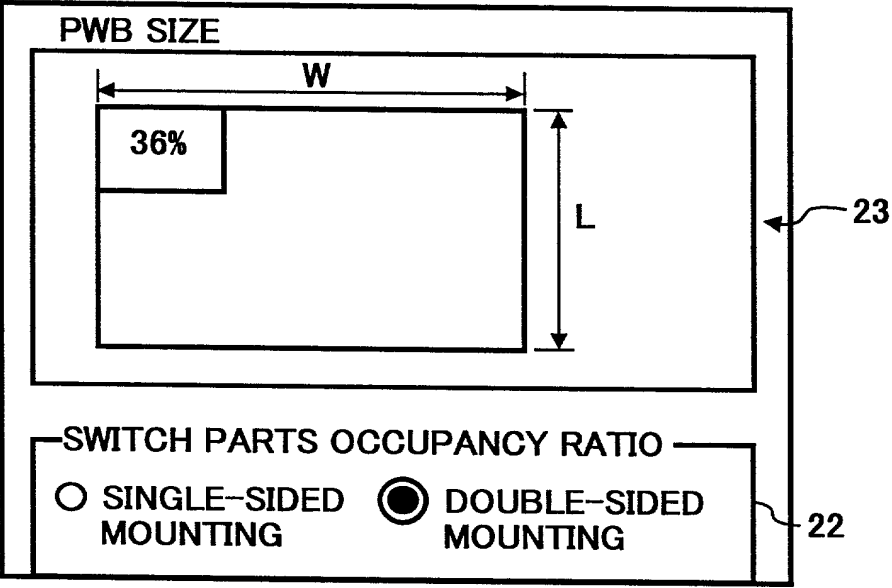


FIG.13C

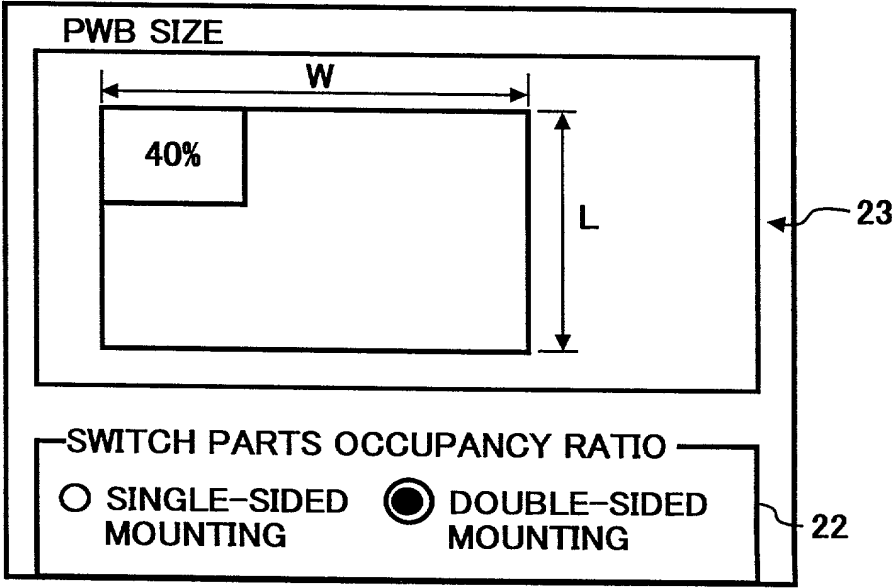


FIG. 14

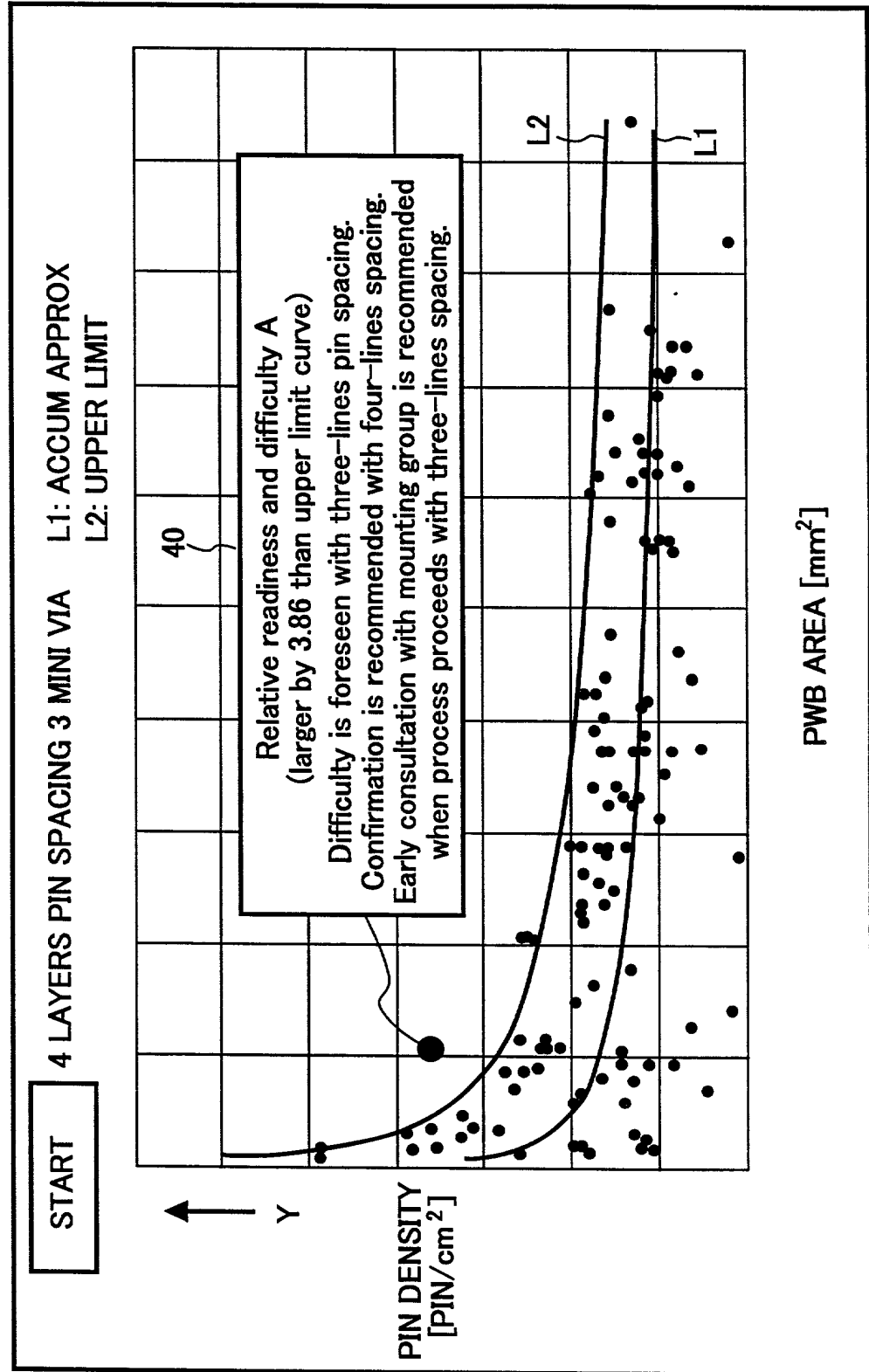


FIG. 15

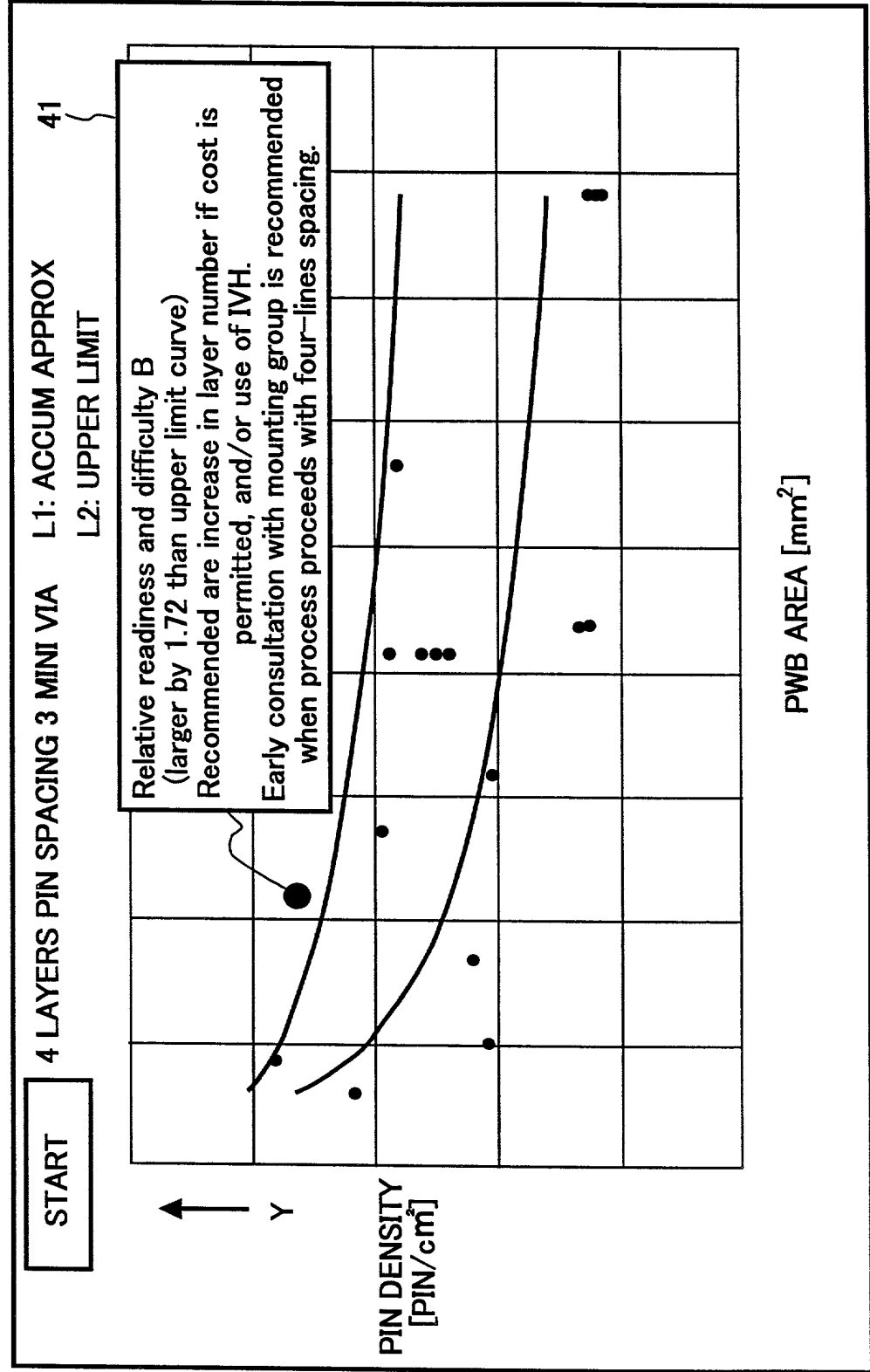


FIG. 16

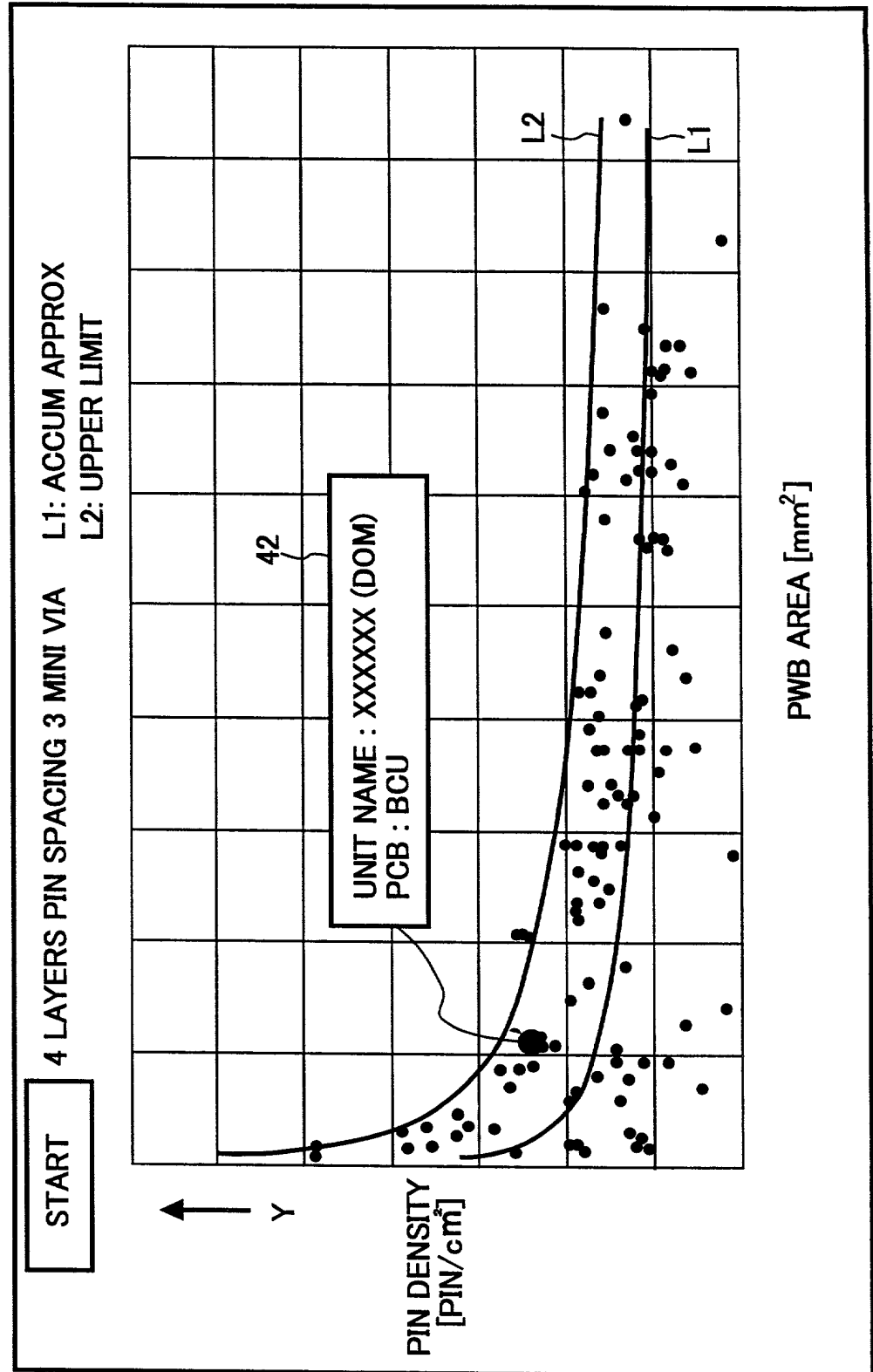


FIG. 17

APPROXIMATE COSTS ⁸⁸⁹		<input type="checkbox"/>
PWB SIZE	121 × 90	
PIN SPACING	3 LINES	
SHEET THICKNESS		
<input type="radio"/> 0.8	<input type="radio"/> 1.0	<input type="radio"/> 1.2
<input checked="" type="radio"/> 1.6		
MATERIALS		
<input checked="" type="radio"/> FR-4	<input type="radio"/> CFM-3	
VIA		
<input type="radio"/> Middle	<input checked="" type="radio"/> Mini	<input type="radio"/> BVH
NUMBER OF LAYERS		
<input type="radio"/> 2	<input checked="" type="radio"/> 4	<input type="radio"/> 6
CUT-OUT SHEET NUMBER = 36		
APPROXIMATE COSTS = 889 YEN		

FIG. 19A

A dialog box titled "INPUT RESOURCE PART NO." with a close button (X) in the top right corner. Inside the dialog, there is a label "PWB PART NUMBER" followed by a text input field containing "E0005678 |". Below the input field, there are two buttons: "OK" and "CANCEL". A reference numeral "43" is positioned to the left of the "OK" button, with a line pointing to it.

FIG. 19B

A rectangular box containing three stacked rectangular buttons. The top button is labeled "APPROXIMATE PWB COSTS", the middle button is labeled "COMMENTS ON PREDICTION COEFFICIENTS", and the bottom button is labeled "RESOURCE DISPLAY". A reference numeral "30" is positioned to the left of the bottom button, with a line pointing to it.

FIG. 19C

A rectangular box containing three stacked rectangular buttons. The top button is labeled "APPROXIMATE PWB COSTS", the middle button is labeled "COMMENTS ON PREDICTION COEFFICIENTS", and the bottom button is labeled "RETURN". A reference numeral "44" is positioned to the left of the bottom button, with a line pointing to it.

FIG. 20

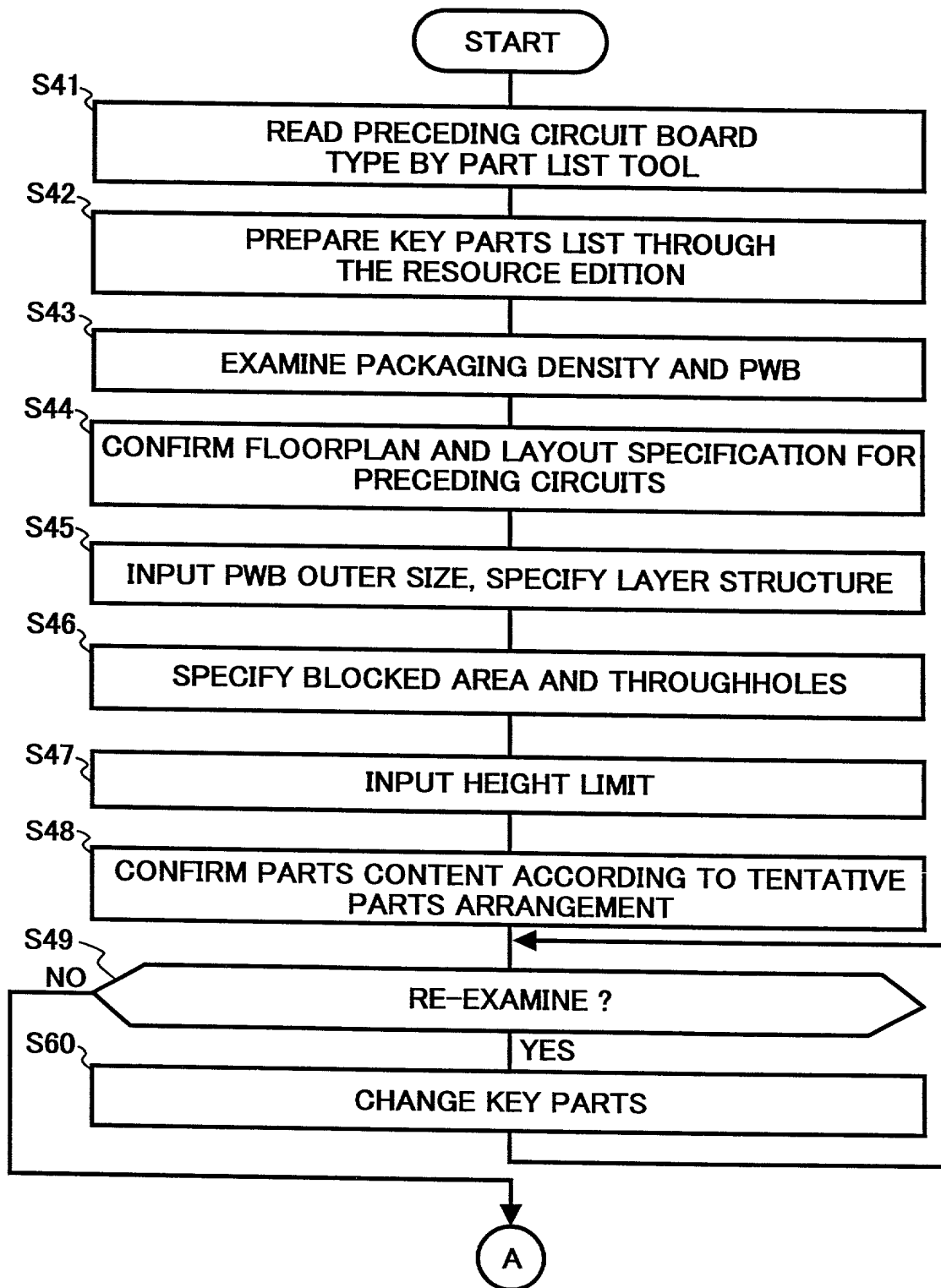


FIG. 21

